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on August 24, 2006

Glenn P. Ladwig  
Glenn P. Ladwig, Patent Attorney

162  
INFORMATION DISCLOSURE  
STATEMENT

Examining Group 1645

Patent Application

Docket No. C&R-100

Serial No. 10/531,751

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : (not yet assigned)  
Art Unit : 1645  
Applicants : Richard Joseph Fagan, Christopher Benjamin Phelps, Tania Maria Rodrigues,  
Christine Power, Jadwiga Bienkowska  
Serial No. : 10/531,751  
Filed : April 18, 2005  
Conf. No. : 6010  
For : Alpha Macroglobulin Protein Family Members

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313

INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§1.97 AND 1.98

Sir:

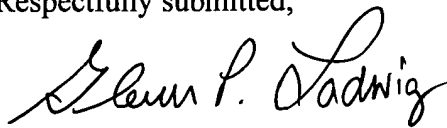
The patent application referred to above was filed in the U.S. Patent Office as a national application under 35 U.S.C. §371. The applicants have been notified that a copy of the International Search Report has been made available in the national stage file as indicated on the Notification of Acceptance of the Application under 35 U.S.C. §371 (Form PCT/DO/EO/903). The Notification does not indicate whether copies of the references cited in the International Search Report were received by the Patent Office. Therefore, copies of the references cited in the International Search Report are enclosed for the Examiner's convenience.

The applicants have also listed on form PTO/SB/08 numerous references which have not been cited in the International Search Report (citations R5-R27). Copies of these references are also enclosed with this IDS.

In accordance with 37 C.F.R. §1.56, the applicants hereby request that the references cited in the International Search Report and listed on the attached form PTO/SB/08 be made of record and considered in the examination of the subject application.

The applicants respectfully assert that the substantive provisions of 37 C.F.R. §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,



Glenn P. Ladwig

Patent Attorney

Registration No. 46,853

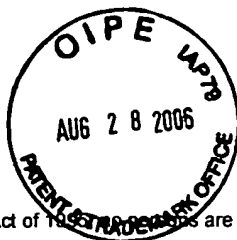
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Gainesville, FL 32614-2950

GPL/mv

Attachments: Form PTO/SB/08 (4 pages); copies of cited references



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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				Application Number	10/531,751
				Filing Date	April 18, 2005
				First Named Inventor	Richard Joseph Fagan
				Art Unit	1645
				Examiner Name	
Sheet	1	of	4	Attorney Docket Number	C&R-100

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-			
	U2	US-			
	U3	US-			
	U4	US-			
	U5	US-			
	U6	US-			
	U7	US-			
	U8	US-			
	U9	US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	F1	WO 91/03557 A1	03-21-1991	Novo Nordisk A/S	All	
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			Examiner Name		
Sheet	2	of	4	Attorney Docket Number	C&R-100

NON PATENT LITERATURE DOCUMENTS			
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	R1	DEVRIENDT, K. <i>et al.</i> "Primary structure of pregnancy zone protein molecular cloning of a full-length PZP complementary DNA clone by the polymerase chain reaction" <i>Biochimica et Biophysica Acta</i> , 1991, 1088(1):95-103.	
	R2	KAN, C-C. <i>et al.</i> "Nucleotide sequence of cDNA encoding human alpha2-macroglobulin and assignment of the chromosomal locus" <i>Proc. Natl. Acad. Sci. USA</i> , 1985, 82(8):2282-2286.	
	R3	DATABASE EMBL ONLINE, February 13, 2002 "Novel human diagnostic protein #5706" retrieved from EBI Database accession no. ABG05715 & WO 01/75067.	
	R4	DATABASE EMBL ONLINE, February 13, 2002 "DNA encoding novel human diagnostic protein #5706" retrieved from EBI Database accession no. AAS69902 & WO 01/75067.	
	R5	ASAMI, T. <i>et al.</i> "Study on proteinase-inhibiting capacity of plasma $\alpha_2$ -macroglobulin in idiopathic nephritic syndrome"	
	R6	BHATIA, M. <i>et al.</i> "Complement factor C5a exerts an anti-inflammatory effect in acute pancreatitis and associated lung injury" <i>Am. J. Physiol. Gastrointest. Liver Physiol.</i> , 2001, 280:G974-G978.	
	R7	CISŁO, M. <i>et al.</i> "Allelic distribution of complement components BF, C4A, C4B, and C3 in <i>Psoriasis vulgaris</i> " <i>Immunology Letters</i> , 2002, 80:145-149.	
	R8	EGGERTSEN, G. <i>et al.</i> "Sequence of rat $\alpha_1$ -macroglobulin, a broad-range proteinase inhibitor from the $\alpha$ -macroglobulin-complement family" <i>Mol. Biol. Med.</i> , 1991, 8:287-302.	
	R9	FRITZINGER, D. <i>et al.</i> "Primary structure of cobra complement component C3" <i>J. Immunology</i> , 1992, 149:3554-3562.	
	R10	GENNARO, R. <i>et al.</i> "C5a fragment of bovine complement" <i>Eur. J. Biochem.</i> , 1986, 155:77-86.	
	R11	GHEBREMEDHIN, E. <i>et al.</i> "Genetic association of argyrophilic grain disease with polymorphisms in alpha-2 macroglobulin and low-density lipoprotein receptor-related protein genes" <i>Neuropath. App. Neurobiol.</i> , 2002, 28:308-313.	
	R12	HONG, T. <i>et al.</i> "A study on the serum pregnancy zone protein levels in pregnant women and patients with gynecological tumors" <i>Chinese Med. J.</i> , 1994, 107:910-914.	
	R13	KÖHL, J. "Anaphylatoxins and infectious and non-infectious inflammatory diseases" <i>Mol. Immunology</i> , 2001, 38:175-187.	

Examiner Signature	Date Considered
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				Filing Date	April 18, 2005
				First Named Inventor	Richard Joseph Fagan
				Group Art Unit	1645
				Examiner Name	
Sheet	3	of	4	Attorney Docket Number	C&R-100

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	R14	LIN, M. <i>et al.</i> "Cell surface antigen CD109 is a novel member of the $\alpha_2$ macroglobulin/C3, C4, C5 family of thioester-containing proteins" <i>Blood</i> , 2002, 99:1683-1691.	
	R15	NAGASE, H. <i>et al.</i> "Evidence for a thiol ester in duck ovostatin (ovomacroglobulin)" <i>J. Biol. Chem.</i> , 1986, 261:1421-1426.	
	R16	NICOLETTI, G. <i>et al.</i> "No evidence of association between the alpha-2 macroglobulin gene and Parkinson's disease in a case-control sample" <i>Neurosci. Letters</i> , 2002, 328:65-67.	
	R17	NIELSON, K. <i>et al.</i> "Identification of residues in $\alpha$ -macroglobulins important for binding to the $\alpha_2$ -macroglobulin receptor/low density lipoprotein receptor-related protein" <i>J. Biol. Chem.</i> , 1996, 271:12909-12912.	
	R18	O'BARR, S. and COOPER, N. "The C5a complement activation peptide increases IL-1 $\beta$ and IL-6 release from amyloid- $\beta$ primed human monocytes: implications for Alzheimer's disease"	
	R19	OGATA, R. <i>et al.</i> "Sequence of the gene for murine complement component C4" <i>J. Biol. Chem.</i> , 1989, 264:16565-16572.	
	R20	PETERSEN, C. " $\alpha_2$ -macroglobulin and pregnancy zone protein" <i>Danish Med. Bull.</i> , 1993, 40:409-446.	
	R21	QAZI, U. <i>et al.</i> "On the structural changes of native human $\alpha_2$ -macroglobulin upon proteinase entrapment" <i>J. Biol. Chem.</i> , 1998, 273:8987-8993.	
	R22	RAMOS, A. <i>et al.</i> "Trypanosoma cruzi: cruzipain and membrane-bound cysteine proteinase isoform(s) interacts with human $\alpha_2$ -macroglobulin and pregnancy zone protein" <i>Exper. Parasitology</i> , 2002, 100:121-130.	
	R23	SANDOVAL, A. <i>et al.</i> "Distal recognition site for classical pathway convertase located in the C345C/Netrin module of complement component C5" <i>J. Immunology</i> , 2000, 165:1066-1073.	
	R24	SHERMAN, S. and COLLARD, C. "Role of the complement system in ischaemic heart disease" <i>BioDrugs</i> , 2001, 15:595-607.	
	R25	SOTTRUP-JENSEN, L. " $\alpha$ -macroglobulins: structure, shape, and mechanism of proteinase complex formation" <i>J. Biol. Chem.</i> , 1989, 264:11539-11542.	
	R26	TANG, G. <i>et al.</i> "Alpha-2 macroglobulin I1000V polymorphism in Chinese sporadic Alzheimer's disease and Parkinson's disease" <i>Neurosci. Letters</i> , 2002, 328:195-197.	

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	R27	ZAPPIA, M. <i>et al.</i> "Genetic association of $\alpha_2$ -macroglobulin polymorphisms with AD in southern Italy" <i>Neurology</i> , 2002, 59:756-758.	
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